

4A, High Efficiency, Standalone Li-Ion Battery Charger

Manufacturers	Analog Devices, Inc
Package/Case	SSOP16
Product Type	Power Supplies
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC4006EGN-2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

LTC4006EGN-2 is a high-performance battery charger IC manufactured by Linear Technology, now part of Analog Devices. It is designed for use in portable devices, such as smartphones, tablets, and other handheld devices that use single-cell lithium-ion or lithium-polymer batteries.

Features

- High charging efficiency: up to 95%
- Wide input voltage range: 4V to 28V
- Constant-current/constant-voltage (CC/CV) charging algorithm
- Automatic battery pre-conditioning and bad battery detection
- Temperature-qualified charging
- Programmable charge current up to 4A
- Power-path management
- Status indication through LED or GPIO

Application

- Portable devices such as smartphones, tablets, and handheld medical devices
- Industrial handheld devices
- Portable instrumentation and measurement equipment
- Battery backup systems
- Point-of-load regulators



Related Products



[LTC1966CMS8](#)

Analog Devices, Inc
MSOP-8



[LT1054ISW](#)

Analog Devices, Inc
SOP-16



[LT1931ES5](#)

Analog Devices, Inc
SOT-23



[LTC2600IGN](#)

Analog Devices, Inc
SSOP-16



[LTC2208CUP](#)

Analog Devices, Inc
QFN64



[LTC1606IG](#)

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SSOP-28



[LTC1446CS8](#)

Analog Devices, Inc

SOP-8



[LT3463EDD](#)

Analog Devices, Inc

QFN10